GENERAL NOTES:

- 1. EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS ARE A COMPILATION OF SURVEY'S PREPARED BY, CARDNO TBE, DYNASTY GROUP INC., AND MELVIN COHEN AND ASSOCIATES.
- SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH SITE TO DETERMINE CURRENT CONDITIONS.
- 2. EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PROPOSES ONLY. THE VA AND ENGINEER NEITHER ASSUME OR IMPLY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF UTILITY DATA PRESENTED. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE SURVEYS AND RECORD DRAWINGS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATELY ONLY. THERE MAY BE ADDITIONAL FACILITIES, STRUCTURES, UTILITIES WHICH THEIR EXISTENCE ARE NOT PRESENTLY KNOWN. ACTUAL LOCATIONS OF UTILITIES MAY VARY FROM LOCATIONS SHOWN ON THE PLANS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS THE THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID CONFLICTS AND DAMAGE THERETO. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS, ELEVATIONS, STRUCTURES AND FACILITIES AND SHALL REPORT ANY CONFLICTS, ERRORS, DISCREPANCIES OR OMISSIONS, TO THE PROJECT ENGINEER AND ENGINEER PRIOR TO ORDERING MATERIAL AND STARTING WORK SO THAT CLARIFICATION OR REDESIGN CAN OCCUR IF NECESSARY.
- 4. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
- 5. ALL ELEVATIONS ARE BASED ON USGS DATUM. BENCHMARK LOCATIONS AND ELEVATIONS ARE SHOWN ON THE PLANS.
- 6. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
- 7. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR THE WORK, AGREE TO HOLD HARMLESS HAMMEL, GREEN AND ABRAHAMSON INC., THE SIGMA GROUP, THE DEPARTMENT OF VETERANS AFFAIRS, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.
- 8. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION. B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AS PUBLISHED BY THE IEPA," LATEST EDITION. C. "ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA, LATEST EDITION.
 - D. THE NATIONAL ELECTRIC CODE. E. VA MASTER SPECIFICATIONS.
- IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITEWORK ISSUES DESIGNED BY THE ENGINEER, THE VA MASTER SPECIFICATIONS WILL SUPERCEDE ALL OTHER SPECIFICATIONS.
- 9. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
- 10. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL AND PARKING RESTRICTIONS WITH THE PROJECT ENGINEER. SITE ACCESS ROADS SHALL BE KEPT OPEN AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE FOR SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE CONSTRUCTION ACTIVITIES ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY IN ACCORDANCE WITH IDOT REQUIREMENTS.
- 11. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, THE CONTRACTOR SHALL NOTIFY THE VA OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.
- 12. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER 48 HOURS PRIOR TO COMMENCING ANY WORK AND FOR ANY NEW CONSTRUCTION REQUIRING INSPECTION.
- 13. AREAS OUTSIDE THE R.O.W. LINE OR CONSTRUCTION LIMIT LINE IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE RETURNED TO A STATE EQUAL OR BETTER THAN IT WAS FOUND PRIOR TO THE NEW CONSTRUCTION.
- 14. CONTRACTOR SHALL RESTORE ALL PAVEMENTS, CURB AND GUTTER, PAVEMENT MARKINGS, LANDSCAPING, ETC. REMOVED OR DAMAGED DURING CONSTRUCTION TO MATCH EXISTING. SUCH RESTORATION IS CONSIDERED INCIDENTAL TO THE WORK. REPLACE ALL PLANTINGS/TREES THAT DIE OR SHOW EVIDENCE OF DYING DURING THE PLANT ESTABLISHMENT PERIOD AT THE EARLIEST APPROPRIATE PLANTING TIME, AFTER THIS CONDITION BECOMES APPARENT. ALL NEW PLANTINGS/TREES OR TRANSPLANTED EXISTING PLANTINGS/TREES SHALL HAVE A 1 YEAR WARRANTY AT THE DISCRETION OF THE VA CONTRACTING OFFICE.
- 15. STREET PAVEMENT AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE DEPARTMENT OF VETERANS AFFAIRS AND IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- 16. PROVIDE TRENCH BACKFILL IN ACCORDANCE WITH THE DETAILS OF THE PLANS FOR ALL UTILITY LINES (OR AS OTHERWISE NOTED ON THE PLANS). BACKFILL SHALL BE PLACED AND COMPACTED PER THE VA AND IDOT SPECIFICATIONS.
- 17. BACKFILL SHALL BE PLACED NEXT TO THE CURB AS SOON AS PERMISSIBLE AFTER CONSTRUCTION TO PREVENT SCOURING AND UNDER CUTTING BY STORM WATER RUNOFF.
- 18. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL UNDERGROUND UTILITY CONSTRUCTION AND SUBMIT "RECORD" INFORMATION TO PROJECT ENGINEER FOR USE IN PREPARING "RECORD DRAWINGS". ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE PROJECT ENGINEER.
- 19. ALL BUTT JOINTS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER SHALL BE CONSTRUCTED BY SAW CUTTING & MILLING AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE BITUMINOUS SURFACE COURSE.
- 20. ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND SHALL BE PROTECTED PER IDOT SECTION 201.05. THE RIGHT-OF-WAY LINE AND LIMITS OF THE CONTRACTOR'S OPERATIONS SHALL BE CLEARLY DEFINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL TREES NOTED TO REMAIN SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILL OR GRADING IS PERMITTED INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.
- 21. FINAL ADJUSTMENT OF FIRE HYDRANTS. VALVE VAULTS AND MANHOLES ARE INCIDENTAL TO THEIR COST.
- 22. CONTRACTOR SHALL COORDINATE ALL REQUIRED CONSTRUCTION ACCESS ARRANGEMENTS, STAGING AREAS, AND ON-SITE MATERIAL STORAGE AREAS WITH THE COTR PRIOR TO CONSTRUCTION. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL SUBMIT TO THE COTR A PHASING PLAN DETAILING THE INSTALLATION, ABANDONMENT/REMOVAL AND SEQUENCING OF WORK ACTIVITIES. CONSTRUCTION SHALL NOT INTERRUPT WATER SERVICE DURING CRITICAL PERIODS.
- 23. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT ACCUMULATION OF MUD OR SOIL ON PUBLIC THOROUGHFARES. AT THE END OF EACH DAY AND AS OFTEN AS NECESSARY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS OR AS REQUIRED BY THE FIELD ENGINEER.
- 24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS SPECIFIED ON THESE DOCUMENTS AND AS NEEDED.
- 25. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNER.
- 26. FOR REGULATED UTILITY LOCATES, THE CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS, "J.U.L.I.E." AT 1-800-892-0123. LOCAL GOVERNMENT AGENCIES SHOULD BE CONTACTED BY THE CONTRACTOR FOR LOCATION OF ALL NON-REGULATED UTILITY LOCATES. CALL FOR LOCATES A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION. HINES VA HOSPITAL IS NOT A MEMBER OF THE J.U.L.I.E SERVICE AND ALL LOCATES ON THE HINES PROPERTY SHALL BE COORDINATED THROUGH THE VA.
- 27. WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY. IS INTERRUPTED DUE TO THE WATER MAIN INSTALLATION, THE DRAINAGE ROUTE SHALL BE REESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES AS REQUIRED FOR PERFORMANCE OF THE WORK.
- 28. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE

- 29. CONTRACTOR SHALL LOCATE ALL UTILITIES AND COORDINATE CROSSINGS. THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO THE GENERAL CONTRACT WITH THE VA. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE VA.
- 30. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERED PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.
- 31. NO TRENCHES OR EXCAVATIONS ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 PM ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.
- 32. ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL. SAWCUT SHALL BE FULL DEPTH IN NEAT, VERTICAL PARALLEL AND/OR PERPENDICULAR LINES PRIOR TO REMOVAL
- 33. BAND-SEAL CONNECTORS OR EQUIVALENT SHALL BE USED TO JOIN PIPES OF DISSIMILAR MATERIAL.
- 34. ANY BRACING, SHEETING OR SPECIAL CONSTRUCTION METHODS DEEMED NECESSARY BY THE CONTRACTOR TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT. ANY SHEETING AND/OR BRACING FOR EXCAVATIONS SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES, AND THE PROJECT SPECIFICATIONS.
- 35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO CONSTRUCTION. ANY ADDITIONAL SOILS DATA NEEDED TO CONFIRM THE CONTRACTOR'S OPINIONS OF THE SUBSOIL CONDITIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN AUTHORIZATION TO ACCESS THE SITE TO CONDUCT A SUPPLEMENTAL SOILS INVESTIGATION.
- 36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE OWNER OF THE ROADWAY.
- 37. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS. TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE IDOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH IDOT "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". CONTRACTOR TO REFER TO SHEET CU402 FOR DETAILS ON CONSTRUCTION SIGNS AND SAFETY SIGNS.
- 38. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION FENCING, BARRICADES, ETC. AS REQUIRED TO ISOLATE WORK AREA FROM THE PUBLIC.
- 39. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF BY THE CONTRACTOR AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OFF-SITE DUMP SITE AT THEIR OWN EXPENSE.
- 40. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE STORM SEWER OR EXTENDED TO OUTLET INTO A DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS MUST MEET THE ILLINOIS URBAN MANUAL SPEC 945. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- 41. THE ENGINEER AND VA ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS. METHODS. TECHNIQUES. SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 42. THE VA WILL CONTINUE THEIR OPERATIONS DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE AND PHASE ALL ON-SITE WORK WITH VPROJECT ENGINEER TO MINIMIZE DISRUPTION OF OPERATIONS.
- 43. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER ON GOING CONSTRUCTION PROJECTS ON SITE.

WATER SYSTEM NOTES:

- 44. ALL WATER LINES ARE TO BE PRESSURE TESTED AND CHLORINATED PER THE REQUIREMENTS OF THE VA, STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND THE SPECIFICATIONS.
- 45. WATER MAIN SHALL BE DUCTILE IRON PIPE, PRESSURE CLASS 350, THICKNESS 52 CONFORMING TO ANSI A21.51 (AWWA C151) WITH CEMENT LINING CONFORMING TO ANSI A21.4 (AWWA C104) AND PUSH-ON JOINTS CONFORMING TO ANSI A21.11 (AWWA C111). EXCEPT AS NOTED FOR MECHANICAL JOINTS AND RETAINER GLAND RESTRAINTS.
- 46. MINIMUM COVER OVER WATER MAIN SHALL BE 4'-0" AND MAXIMUM COVER SHALL BE 8'-0" UNLESS SPECIFICALLY IDENTIFIED ON THE DRAWINGS. COVER SHALL BE MEASURED FROM FINISHED GRADE TO TOP OF PIPE IN LANDSCAPED AREAS AND FROM SUBGRADE TO TOP OF PIPE IN PAVED AREAS. WHERE REQUIRED, THE PIPE SHALL BE INSULATED WITH 2-INCH EXTERIOR GRADE RIGID INSULATION BOARD. ONE 2-INCH THICK SHEET OF INSULATION SHALL BE PROVIDED FOR EACH 6 INCHES OF COVER BELOW THE REQUIRED 5'-0" MINIMUM DEPTH. INSULATION SHALL EXTEND A MINIMUM OF 12 INCHES ON EACH SIDE OF THE WATER MAIN AND SHALL HAVE A MINIMUM R-VALUE OF R-9, AND COMPLY WITH ASTM C 578-92, TYPE 1X.
- 47. VALVE VAULTS SHALL BE USED ON ALL BUILDING SERVICE LATERALS VALVE WHERE WATER MAIN IS 8" IN DIAMETER OR LARGER. VALVE VAULTS SHALL ALSO BE USED IN CONJUNCTION WITH AIR RELEASE VALVES. VAULTS SHALL BE PRECAST CONCRETE STRUCTURES, WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAILS SHEETS). LIDS SHALL BE IMPRINTED WITH "WATER". ALL OTHER VALVES SHALL BE DIRECT BURY WITH VALVE BOXES. VALVE BOXES SHALL BE INSTALLED VERTICALLY PLUMB AND FREE OF DEBRIS. CONTRACTOR SHALL DEMONSTRATE TO THE SATISFACTION OF THE PROJECT ENGINEER THAT EACH VALVE IS IN GOOD WORKING ORDER BEFORE ACCEPTANCE FROM THE VA.
- 48. COMPLY WITH REQUIREMENTS OF THE VA, STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, AND THE SPECIFICATIONS, INCLUDING THOSE FOR TAPPING OF WATER MAINS AND BACKFLOW PREVENTION.
- 49. FITTINGS FITTINGS SHALL BE AWWA C153 MECHANICAL JOINTS FITTINGS AND IN ACCORDANCE WITH CHAPTER 8.22.0 OF THE STANDARD SPECIFICATIONS.
- 50. ANCHORAGES INSTALL ANCHORAGES FOR TEES, PLUGS AND CAPS, BENDS, CROSSES, VALVES, AND HYDRANT BRANCHES IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- 51. VALVES AND VALVE BOXES SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
- 52. EXISTING WATER LINES SHALL REMAIN IN SERVICE UNTIL NEW WATER LINES HAVE BEEN INSTALLED, TESTED, AND DISINFECTED. CONTRACTOR SHALL PROVIDED TEMPORARY CONNECTIONS, VALVING, ETC. AS REQUIRED TO MINIMIZE TO THE GREATEST EXTENT PRACTICAL SERVICE DISRUPTIONS TO THE FACILITY. COORDINATE ANY UTILITY SERVICE DISRUPTIONS WITH PROJECT ENGINEER. PROJECT ENGINEER SHALL BE NOTIFIED FOR ANY UTILITY SERVICE DISRUPTIONS AT LEAST 48 HOURS IN ADVANCE.
- 53. CONTRACTOR SHALL REMOVE PIPING, VALVES, HYDRANTS, ETC. AS REQUIRED BY ROUTING OF NEW PIPING. EXISTING PIPING SHALL BE ABANDONED IN PLACE WHERE RE-REROUTING DOES NOT REQUIRE REMOVAL. ABANDONMENT SHALL CONSIST OF CUTTING AND CAPPING UTILIZING BRICK AND MORTAR.

54. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO PROJECT ENGINEER FOR VALVES. HYDRANTS. CONNECTIONS. RESTRAINTS.

- 55. FIELD MODIFICATIONS OF PROPOSED WATER MAIN SYSTEM COMPONENTS DUE TO UNFORESEEN CONFLICTS WITH EXISTING FEATURES ARE INCIDENTAL TO THE COST OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN DETAILED AS-BUILT DRAWINGS INDICATING FIELD MODIFICATIONS TO THE DESIGN PLAN.
- 56. CONTRACTOR SHALL CONFIRM ALL EXISTING WATER VALVES NEEDED FOR NEW CONSTRUCTION ARE IN GOOD WORKING ORDER PRIOR TO ANY CONSTRUCTION.

LEGEND

DEFL. DEFLECTION — st — st — st — EXISTING STORM SEWER EX. EXISTING HORZ. HORIZONTAL HYD HYDRANT INV. INVERT STA. STATION

VLV VALVE BOX VV VALVE VAULT (CONCRETE) VERT. VERTICAL

LEGEND

— san — san — san — EXISTING SANITARY SEWER — stm — stm — stm — EXISTING STEAM LINES — UE — UE — EXISTING UNDERGROUND ELECTRIC LINES —— TMST —— TMST —— EXISTING TEMPORARY STORM (ABOVE GROUND) — — — — EXISTING WATER LINES — FOC — FOC — FOC — EXISTING FIBER OPTIC LINE — gas —— gas — EXISTING GAS LINE — BT — BT — EXISTING BURIED TELEPHONE ---- COMM----- EXISTING COMMUNICATIONS LINE ----kv----kv----kv EXISTING 5KV ELECTRIC LINES — UNK — UNK — UNK — EXISTING UNDERGROUND UNKNOWN UTILITY

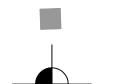
MANHOLE

— × — × — EXISTING FENCE

EXISTING GUARDRAIL

EXISTING HYDRANT

EXISTING WATER VALVE



EXISTING TEST HOLE LOCATION

EXISTING CATCH BASIN



PROPOSED WATER VALVE



PROPOSED HYDRANT



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PHASE 2 - WATER MAIN VA MEDICAL CENTER **GENERAL NOTES** REPLACE EXISTING WATER MAINS PROJECT Approved: Division Chief TPM Approved: Service Director HINES, ILLINOIS

Project No. VA#69PD-RA-1465 Office of HGA#2606-008-00 **Facilities** Management

MAY 22, 2012

DRAWING NO.

CU001

PHASE 2 - CONSTRUCTION DOCUMENTS: MAY 22, 2012